Authors

Abdel-Azim, Abdel-Azim, A. and Huglin, Malcolm B.: Selective solvation of polystyrene in tetralin/cyclohexane mixtures, 1308

Abdel-Azim, Abdel-Azim, A. and Huglin, Malcolm B.: Viscometric behaviour of polystyrene in tetralin/cyclohexane mixtures, 1429

Affrossman, Stanley: *see* Sharma, Varinder K., 387

Agarwal, P. K. and Prestidge, E. B.: Some electron microscopic observations of sulphonated EPDM polymers, 487

Akar, A., Billingham, N. C. and Calvert, P. D.: The morphology of polyethylenes produced by alumina-supported zirconium tetrabenzyl, 889

Akelah, A. and Sherrington, D. C.: Recent developments in the application of functionalized polymers in organic synthesis, 1369

Aladesulu, I., Graham, N. B. and Richards, R. W.: Interstitial polymers based on a polyurethane network: 1. Melting points and fractional crystallinities, 279

Aldissi, M.: *see* Rommelmann, H., 1575

Alexis, Michele: *see* Farrall, M. Jean, 114

Al-Hillo, Malik R. Y.: *see* Caunt, Anthony D., 121

Altomare, Angelina, Carlini, Carlo, Ciardelli, Francesco, Solaro, Roberto, Houben, Julien, L., and Rosato, Nicola: Photochemistry and photophysics of copolymers of (—)-menthyl acrylate with 4-hydroxy-stilbene acrylate, 95

Amass, A. J. and Lotfipour, M.: The monometallic initiation of the methathesis polymerization of cyclopentene. 1317

Andreis, Mladen; Meić, Alatko and Veksli, Zorica: ^{13}C and ^{1}H n.m.r. study of the polyesterification of maleic anhydride and 1,2-propylene glycol, 611

Andrews, E. H.: *see* Bhateja, S. K., 160

Aref-Azar, A., Biddlestone, F., Hay, J. N. and Haward, R. N.: The effect of physical ageing on properties of poly(ethylene terephthalate), 1245

Asano, T.: *see* Yoshida, T., 925

Bachus, R. and Kimmich, R.: Molecular weight and temperature dependence of self-diffusion coefficients in polyethylene and polystyrene melts investigated using a modified n.m.r. field-gradient technique, 964

Bajaj, P.: *see* Khanna, D. N., 596

Balard, H.: *see* Hommel, H., 959

Bamford, C. H. and Schofield, E.: Non-classical free-radical polymerization: 3. Diffusion-control in degradative addition, 433

Barron, Peter F., Busfield, W. Ken and Morley-Buchanan, Tracey: High resolution solid state ^{13}C n.m.r. of butadiene grafted polypropylene, 1252

Bartnik, J.: *see* Zurakowska-Orszagh, J., 1484

Bates, F. S., Berney, C. V., Cohen, R. E. and Wignall, G. D.: Single-chain scattering in heterogeneous block copolymers, 519

Batty, N. S., Gradwell, A. J., Guthrie, J. T., Greig, D., Hardy, N. D., Jakeways, R. and Sahota, M.: Structural order in alkali-degraded PAN as seen in studies of low-temperature thermal conductivity, 258

Bauwens, J.-C.: *see* Bauwens-Crowet, C., 921

Bauwens-Crowet, C. and Bauwens, J.-C.: Effect of thermal history of the tensile yield stress of polycarbonate in the β transition range, 921

Beevers, M. S., Mumby, S. J., Clarson, S. J. and Semlyen, J. A.: Studies of cyclic and linear poly(dimethyl siloxanes): 13. Static dielectric measurements and dipole moments, 1565

Beghishev, V. P.: *see* Malkin, A. Ya., 81

Behnken, D. W.: Calculation of optimum multicomponent solvent compositions for polymers using a multiple regression program, 193

Bekturov, E. A., Kudaibergenov, S. E. and Zhaimina, G. M.: Complexation of poly-2,5-dimethyl-4-vinylethynilpryperidol-4 hydrochloride with transition metal ions in solution, 607

Belnikevitch, N. G., Mrkvickova, L. and Quadrat, O.: Stereo complexes in solutions of syndio- and isotactic poly(methyl methacrylate) mixture: 1. Aggregation time and character of aggregated particles in different solvents, 713

Belnikevitch, N. G.: *see* Quadrat, O., 719

Berney, C. V.: *see* Bates, F. S., 519

Bernier, P.: *see* Rommelmann, H., 1575

Bettereidge, D., Connors, P. A., Lilley, T., Shoko, N. R., Cudby, M. E. A. and Wood, D. G. M.: Analysis of acoustic emissions from polymers, 1206

Bhateja, S. K. and Andrews, E. H.: Effect of high-energy radiation on the uniaxial tensile creep behaviour of ultra-high molecular weight linear polyethylene, 160

Bianchi, Liliana: *see* Martuscelli, Ezio, 1458

Biddlestone, F.: *see* Aref-Azar, A., 1245

Bikson, Benjamin; Jagur-Grodzinski, Joseph and Vofsi, David: Heterogeneous reactions of polymers: 4. Melting behaviour of heterogeneously chlorinated and sulphonated polyethylenes, 583

Billingham, N. C.: *see* Akar, A., 889

Birshtein, T. M., Skvortsov, A. M. and Sariban, A. A.: Structure of polymer solutions: scaling and modelling on an electron computer, 1145

Blackwell, J.: *see* Gutierrez, G. A., 937

Block, H., Gregson, E. M., Ritchie, A., and Walker, S. M.: Flow-modified permittivity of solutions of poly(n-butyl isocyanate) and poly(n-hexyl isocyanate), 859

Blundell, D. J. and Osborn, B. N.: The morphology of poly(aryl–ether–ether ketone), 953

Blythe, A. R.: *see* Briggs, D., 47

Boileau, Sylvie: *see* Haggiage, Johnny, 578

Bokobza, L.: *see* Pajot-Augy, E., 117

Bott, D. C.: *see* White, D., 805

Bouas-Laurent, H.: *see* Pajot-Augy, E., 117

Božek, F.: *see* Kučera, M., 217

Briber, R. M.: *see* Chen, C. H. Y., 1333

Briggs, D., Kendall, C. R., Blythe, A. R. and Wooton, A. B.: Electrical discharge treatment of polypropylene film, 47

Broadhurst, M. G.: *see* Lovinger, Andrew J., 1225

Broadhurst, M. G.: *see* Lovinger, Andrew J., 1233

Brostow, Witold: Drag reduction and mechanical degradation in polymer solutions in flow, 631

Brown, Wyn and Stilbs, Peter: Self-diffusion of poly(ethylene oxide) in aqueous dextran solutions measured using *FT*-pulsed field gradient n.m.r., 188

Browne, A. A. B. and McIntyre, J. E.: Polyesterification of solid dicarboxylic acids by oxiran, 1615

Bruneau, Claude-Marcel: *see* Durand, Dominique, 587

Bruneau, Claude-Marcel: *see* Durand, Dominique, 591

Bucknall, Clive B. and Partridge, Ivana K.: Phase separation in epoxy resins containing polyethersulphone, 639

Budrowski, C.: *see* Proń, A., 1294

Bultel, C., Lefebvre, J. M. and Escaig, B.: On the workhardening rate of glassy polymers: 1. Application to the physical ageing of atactic PMMA, 476

Burdygina, G. I.: *see* Kozlov, P. V., 651

Burford, R. P. and Harrauer, E.: The diffusion of salt solutions into nylon-6, 1001

Busfield, W. Ken: *see* Barron, Peter F., 1252

Bussing, William R. and Peppas, Nikolaos, A.: Friedel–Crafts crosslinking methods for polystyrene modification: 1. Preparation and kinetics, 209

Bussing, William R.: *see* Peppas, Nikolaos A., 898

Butler, I.: *see* Candau, S. J., 1601

Bywater, Stanley: *see* Dumas, Sylviane, 1291

Cabañas, P. Gutierrez: *see* Katime, I., 1015

Cais, R. E. and Sloane, N. J. A.: A statistical theory of directional isomerism in polymer chains and its applications of polyvinylidene fluoride, 179

Calvert, P. D.: *see* Akar, A., 889

Candau, S., Butler, I. and King, T. A.: Co-operative diffusion of semi-dilute solutions, concentrated solutions and swollen networks for polystyrene in dubutylphthalate, 1601

Carlini, Carlo: *see* Altomare, Angelina, 95

Carlini, Carlo and Gurzoni, Francesco: Optically active polymers containing side-chain benzophenone chromophores, 101

Carlini, Carlo; Ciardelli, Francesco; Donati, Daniele and Gurzoni, Francesco: Polymers containing side-chain benzophenone chromophores: a new class of highly efficient polymerization photoinitiators, 599
Castellan, A.: *see* Pajot-Augy, E., 117
Caunt, Anthony D., Licchelli, John A., Parsons, Ian W., Haward, Robert N. and Al-Hillo, Malik R. Y.: Magnesium alkyl reduced titanium (IV) chloride based polymerization catalysts: materials in magnesium chloride, 121
Chabot, Francois; Vert, Michel; Chapelle, Stella and Granger, Pierre: Configurational structures of lactic acid stereocopolymers as determined by ^{13}C-$\{^1H\}$ n.m.r., 53
Chajewski, A.: *see* Żurakowska-Orszàgh, J., 1484
Chakraborty, Sunity and De, Sadhan K.: Effect of curing systems on polymer–filler interaction, technical properties and fracture mode of carboxylated nitrile rubber, 1055
Chan, M. K. V. and Williams, J. G.: Slow stable crack growth in high density polyethylenes, 234
Chandra, R.: Protection of styrene–butadiene copolymer film with bound synergistic stabilizers against ferric stearate – catalysed photo-oxidative degradation at elevated temperature, 229
Change, Shu-sing, Pummer, Walter J. and Maurey, John R.: Fat simulating and accelerating solvents for polyolefins and *MWD* of solvent extracts of polyethylenes, 1267
Chapelle, Stella: *see* Chabot, Francois, 53
Chatani, Yozo: *see* Tashiro, Kohji, 199
Chen, C. C.: *see* Tong, S. N., 469
Chen, C. H. Y.: *see* Xu, M., 1327
Chen, C. H. Y., Briber, R. M., Thomas, E. L., Xu, M. and MacKnight, W. J.: Structure and morphology of segmented polyurethanes: 2. Influence of reactant incompatibility, 1333
Chen, D. S.: *see* Tong, S. N., 469
Cherry, B. W. and Hin, Twoh Swee: Energy criterion for modelling creep rupture of high density polyethylene, 1067
Chivers, R. A.: *see* Gutierrez, G. A., 937
Chuchma, F., Trška, P., Roda, J. and Kraliček, J.: Polymerization of Lactams: 57 G.l.c. and n.m.r. analysis of the anionic copolymers of 2-pyrrolidone with 6-caprolactam and 8-octanelactam, 1491
Chung, L. Z.: *see* Tong, S. N., 469
Ciardelli, Francesco: *see* Altomare, Angelina, 95
Ciardelli, Francesco: *see* Carlini, Carlo, 599
Clarson, S. J.: *see* Beevers, M. S., 1565
Clements, J. and Ward, I. M.: Crystallite thickness measurements on ultra-high modulus linear polyethylene: effect of draw temperature, 27
Cohen, Claude: *see* Hsu, Tsong-Pin, 1273
Cohen, R. E.: *see* Bates, F. S., 519
Cohen-Addad, J. P. and Dupeyre, R.: Strongly entangled polymer chains in a melt. Description of n.m.r. properties associated with a submolecule model, 400
Cohen-Addad, J. P.: Entangled linear polymer chains in melts: n.m.r. and Rouse or reptation models; stress relaxation, 1128
Cohn, Daniel and Marom, Gad: The effect of the morphology on the hygroelastic behaviour of polyester and epoxy resins, 223
Coleman, M. M.: *see* Varnell, D. F., 37
Coleman, M. M. and Moskala, E. J.: *FT*-i.r. studies of polymer blends containing the poly (hydroxy ether of bisphenol A) and poly (ε-caprolactone), 251
Coleman, M. M., Moskala, E. J., Painter, P. C., Walsh, D. J. and Rostami, S.: A Fourier transform infra-red study of the phase behaviour of polymer blends. Ethylene–vinyl acetate copolymer blends with poly(vinyl chloride) and chlorinated polyethylene, 1410
Comes, R.: *see* Robin, R., 1558
Connors, P. A.: *see* Betteridge, D., 1206
Cosgrove, T. and Sutherland, J. M.: Self and mutual diffusion measurements in dilute and semi-dilute polystyrene solutions, 534
Courval, G. J. and Gray, D. G.: Gas chromatographic evaluation of thermodynamic interaction parameters for the water–poly(ethylene oxide) system: 323
Cowie, J. M. G.: *see* Saeki, S., 60
Cowie, J. M. G., Ferguson, R., Mathieson, K. and McEwen, I. J.: Detection of sub-glass transition events in amorphous polymers using differential scanning calorimetry: 3. Further observations on polymers containing pendant cycloalkyl rings, 1439
Cowie, J. M. G. and McEwen, I. J.: Polymer–cosolvent systems: 5. Upper and lower critical solution temperatures of polystyrene in n-alkanes, 1445
Cowie, J. M. G. and McEwen, I. J.: Polymer–cosolvent systems: 6. Phase behaviour of polystyrene in binary mixed solvents of acetone with n-alkanes-examples of 'classic cosolvency', 1449
Cowie, J. M. G. and McEwan, I. J.: Polymer–cosolvent systems: 7. The application of free volume theory to the classical cosolvent systems formed from polystyrene in acetone and n-alkanes, 1453
Crassous, G. and Schué, F.: Oligomerization of ethylene by several normal butyllithium–amine complexes: 8. Kinetic study, 1203
Crispino, L.: *see* Martuscelli, E., 693
Crissman, J. M. and Zapas, L. J.: Mechanical behaviour of isotactic polypropylene subjected to various strain histories in uniaxial extension, 351
Crosby, P.: *see* Walsh, D. J., 423
Cudby, M. E. A.: *see* Betteridge, D., 1206
Cullis, C. F. and Hirschler, M. M.: The significance of thermoanalytical measurements in the assessment of polymer flammability, 834

Dalal, E. N., Taylor, K. D. and Phillips, P. J.: The equilibrium melting temperature of *cis*-polyisoprene, 1623
Dalton, R. F.: *see* Walsh, D. J., 423
Damyanidu, M.: *see* Djomo, H., 65
Damyanidu, M.: *see* Hermant, I., 1419
Danhelka, Jarda: *see* Svirskaya, Polina, 319
Das, C. K.: *see* Khastgir, D., 617
Davidson, I. S., Manuel, A. J. and Ward, I. M.: The α and β structural forms of poly(tetramethylene terephthalate): a study by broad line nuclear magnetic resonance, 30
Davies, C. K. L., Wolfe, S. V., Gelling, I. R. and Thomas, A. G.: Strain crystallization in random copolymers produced by epoxidation of *cis* 1,4-polyisoprene, 107
Davis, G. T.: *see* Lovinger, Andrew J., 1225
Davis, G. T.: *see* Lovinger, Andrew J., 1233
De, S. K.: *see* Mathew, N. M., 1042
De, Sadhan, K.: *see* Chakraborty, Sunity K., 1055
Deffieux, A., Young, J. A., Hsieh, W. C., Squire, D. R. and Stannett, V.: Radiation-induced cationic polymerization of vinyl ethers in solution: 4. Polymerization of isopropyl vinyl ether in bulk and in various solvents, 513
Deffieux, A., Stannett, V., Wang, A., Young, J. A. and Squire, D. R.: A study of the cationic copolymerization of ethyl and isopropyl vinyl ethers induced by radiation, 1469
Deshmukh, Vilas G.: *see* Gupta, Mool C., 827
DeVries, K. L.: *see* Igarashi, M., 767
DeVries, K. L.: *see* Igarashi, M., 1035
Djabourov, Madeleine and Papon, Pierre: Influence of thermal treatments on the structure and stability of gelatin gels, 537
Djomo, H., Morin, A., Damyanidu, M. and Meyer, G. C. Polyurethane–poly(methyl methacrylate) interpenetrating polymer networks: 1. Early steps and kinetics of network formation; intersystem grafting, 65
Djomo, H., Widmaier, J. M. and Meyer, G. C.: Polyurethane–poly(methyl methacrylate) interprenetrating polymer networks: 2. Influence of compositional parameters on the synthesis: physical properties, 1415
Dobbin, C. J. B.: *see* Tchir, M. F., 909
Dodgson, K.: *see* Edwards, C. J. C., 391
Dodgson, K.: *see* Higgins, J. S., 793
Döll, W., Könczöl, L. and Schinker, M. G.: Size and mechanical properties of craze zones at propagating crack tips in poly(methyl methacrylate) during fatigue loading, 1213
Donald, A. M., Viney, C. and Windle, A. H.: Banded structures in oriented thermotropic polymers, 155
Donald, Athene M. and Kramer, Edward J.: Molecular weight distribution effects on craze micromechanics, 1063
Donati, Daniele: *see* Carlini, Carlo, 599
Dorset, Douglas L. and Moss, Barbara: Crystal structure analysis of polyethylene with electron diffraction intensity data: Deconvolution of multiple scattering effects, 291
Drain, K. F., Murphy, W. R. and Otterburn, M. S.: Dissolution of polypropylene: differential solubility, 553
Dumas, Sylviane; Sledz, Joseph; Schué, Francois; Raynal, Serge; Bywater, Stanley and Worsfold, Denis J.: Anionic polymerization of isoprene by the complexes oligoisoprenyllithium/tertiary polyamines in cyclohexane: 3. Structural study of the polymers by ^1H n.m.r. at 100 MHz, 1291
Dupeyre, R.: *see* Cohen-Addad, J. P., 400
Durand, Dominique and Bruneau, Claude-Marcel: Intrinsic unequal reactivity and average molecular weights in non-linear stepwise polymerization, 587
Durand, Dominique and Bruneau, Claude-Marcel: Substitution effects and average molecular weights in non-linear stepwise polymerization, 591

Dušek, K.: *see* Ilavský, M., 981
Dvornic, Peter R. and Lenz, Robert W.: Exactly alternating silarylene–siloxane polymers: 6. Thermal stability and degradation behaviour, 761
Dybal, J., Štokr, J. and Schneider, B.: Vibrational spectra and structure of stereoregular poly(methyl methacrylates) and of the stereocomplex, 971

Eastmond, G. C., Jiang, M. and Malinconico, M.: Morphologies and properties of polyblends: 1. Blends of poly(methyl methacrylate) and a chlorine-containing polycarbonate, 1162
Eastmond, G. C. and Haraguchi, K.: Dynamic mechanical properties of a polycarbonate/polystyrene copolymer: Effects of casting solvent, 1171
Ebdon, J. R., Huckerby, T. N. and Senogles, E.: The influence of polymerization conditions on the tacticity of poly(*N*-vinyl-2-pryrrolidone), 339
Ebdon, J. R. and Gabbott, N. P.: The copolymerization of methyl methacrylate and isoprene in the presence of ethyl aluminium sesquichloride: role of monomer complexes, 565
Eder, Marek and Wlochowicz, Andrzej: Kinetics of non-isothermal crystallization of polyethylene and polypropylene, 1593
Edwards, C. J. C., Rigby, D., Stepto, R. F. T., Dodgson, K. and Semlyen, J. A.: Studies of cyclic and linear poly(dimethyl siloxanes): 10. Calculations of radii of gyration, 391
Edwards, C. J. C., Rigby, D., Stepto, R. F. T. and Semlyen, J. A.: Studies of cyclic and linear poly(dimethyl siloxanes): 11. Shapes of ring and chain molecules, 395
Edzes, Hommo T.: ^{13}C n.m.r. chemical shielding tensor elements of solid poly(methyl methacrylate), 1425
Eichler, Eva: *see* Frechet, Jean M. J., 995
Eklund, S.: *see* Gedde, U. W., 1532
Elorza, J. M.: *see* Fernandez-Berridi, M. J., 417
Engelke, T.: *see* Strobl, G. R., 1585
Epstein, A. J.: *see* Robin, R., 1558
Epstein, A. J.: *see* Rommelmann, H., 1575
Escaig, B.: *see* Bultel, C., 476

Fajolle, R., Tassin, J. F., Sergot, P., Pambrun, C. and Monnerie, L.: Orientation of polystyrene chains stretched above T_g as studied by fluorescence polarization, 379
Farrall, M. Jean and Alexis, Michele and Trecarten, Mark: Chemically modified polystyrene containing pendant vinyl groups: a photosensitive polymer exhibiting chemical amplification, 114
Fawcett, Allan H., Fee, Sean and Waring, Lionel: The conformational origin of flexibility and stiffness in poly(olefin sulphones) demonstrated by means of dynamic ^{13}C n.m.r. measurements, 1571
Fee, Sean: *see* Fawcett, Allan H., 1571
Feichtinger, Kurt A.: *see* Lenz, Robert W., 327
Feldman, D.: Modification of the properties of some polyblends and reinforced polymers, 359
Ferguson, R.: *see* Cowie, J. M. G., 1439
Fernández-Berridi, M. J., Gusmán, G. Martin, Iruin, J. J. and Elorza, J. M.: Determination of the interaction parameter χ of poly(ethylene oxide) by gas–liquid chromatography below the melting temperature, 417
Fernquist, R.: *see* Rommelmann, H., 1575
Fortuanto, B.: *see* Pilati, F., 1479
Francis, D. Joseph: *see* Raveendran Nair, B., 626
Francois, J.: *see* Sarazin, D., 547
Frechet, Jean M. J.; Eichler, Eva; Ito, Hiroshi and Willson, C. Grant: Poly(*p*-tert-butoxycarbonyloxystyrene): a convenient precursor to *p*-hydroxystyrene resins, 995
Fujita, Ken-ichi: *see* Shiro, Kuniyasu, 1113
Fujiwara, Y.: *see* Yoshida, T., 925
Fukatsu, Tomohiko: *see* Nagase, Yu, 463
Furukawa, T.: *see* Lovinger, Andrew J., 1225
Furukawa, T.: *see* Lovinger, Andrew, J., 1233

Gabbot, N. P.: *see* Ebdon, J. R., 565
Galin, Monique: Gas–liquid chromatography study of poly(ethylene oxide)–solvent interactions: estimation of polymer solubility parameter, 865
Galiotis, C. and Young, R. J.: The solid-state polymerization and physical properties of bis(ethyl urethane) of 2,4-hexadiyne-1,6-diol: 3 Mechanical properties, 1023
Garay, M.: *see* Katime, I., 1015
Gargallo, Ligia and Radic, Deodato: Interaction of poly(vinylpyrrolidone) with small consolutes in aqueous and non aqueous media, 91
Gaylord, Richard J.: *see* Gottlieb, Moshe, 1644
Gedde, U. W. and Jansson, J.-F.: Molecular fractionation in melt-crystallized polyethylene: 1. Differential scanning calorimetry, 1521
Gedde, U. W., Eklund, S. and Jansson, J. F.: Molecular fractionation in melt-crystallized polyethylene: 2. Effect of solvent extraction of the structure as studied by differential scanning calorimetry and gel permeation chromatography, 1532
Gelling, I. R.: *see* Davies, C. K. L., 107
Ghoshal, P. K.: *see* Khastigr, D., 617
Gibson, H. W.: *see* Robin, R., 1558
Gogolweski, S.: *see* Zwiers, R. J. M., 167
Goldstein, M., Stephenson, D. and Maddams, W. F.: The far infra-red spectrum of poly(vinyl chloride), 823
Gonzalez, Agustin E.: Viscosity of ionomer gels, 77
Gopalan, A.: *see* Paulrajan, S., 906
Goring, D. A. I.: *see* Revol, F.-F., 1547
Gottlieb, Moshe and Gaylord, Richard J.: Experimental tests of entanglement models of rubber elasticity: 1. Uniaxial extension-compression, 1644
Goyal, P. S., King, J. S. and Summerfield, G. C.: Multiple scattering in small-angle neutron scattering measurements on polymers, 131
Gradwell, A. J.: *see* Batty, N. S., 258
Graham, N. B.: *see* Aladesulu, I., 279
Granger, Pierre: *see* Chabot, Francois, 53
Gray, D. G.: *see* Courval, G. J., 323
Greenberg, A. R. and Kusy, R. P.: Influence of free volume fraction, inter/intra-molecular energy ratio, and chain segment density on the Gibbs–DiMarzio theory of the glass transition, 513
Gregson, E. M.: *see* Block, H., 859
Greig, D.: *see* Batty, N. S., 258
Griffiths, P. J. F. and Krikor, K. G. and Park, G. S.: Diffusion of additives and plasticizers in poly(vinyl chloride): 4. A programmed temperature technique for the determination of the diffusion parameters of three dialkyphthalates, 831
Gruber, W.: *see* Ramsteiner, F., 365
Günther, Berthold and Zachmann, Hans Gerhard: Influence of molar mass and catalysts on the kinetics of crystallization and on the orientation of poly(ethylene terephthalate), 1008
Gupta, A. K.: *see* Khanna, D. N., 596
Gupta, Mool C. and Deshmukh, Vilas G.: Radiation effects on poly(lactic acid), 827
Gupta, Santosh K.: *see* Kumar, Anil, 443
Gupta, Santosh K.: *see* Kumar, Anil, 449
Gupta, Santosh K.: *see* Kumar, Anil, 1180
Gurzoni, Francesco: *see* Carlini, Carlo, 101
Gurzoni, Francesco: *see* Carlini, Carlo, 599
Guthrie, J. T.: *see* Batty, N. S., 258
Gutierrez, G. A., Chivers, R. A., Blackwell, J., Stamatoff, J. B. and Yoon, H.: The structure of liquid crystalline aromatic copolyesters prepared from 4-hydroxybenzoic acid and 2-hydroxy-6-naphthoic acid, 937
Guzmán, G. Martin: *see* Fernández-Berridi, M. J., 417

Hadziioannou, G.: *see* O'Reilly, J. M., 1255
Haggiage, Johnny; Hémery, Patrick; Boileau, Sylvie and Lenz, Robert W.: Anionic polymerization of α,α-distributed β-propiolactones with cryptates as counterions, 578
Haraguchi, K.: *see* Eastmond, G. C., 1171
Hardy, N. D.: *see* Batty, N. S., 258
Hariauer, E.: *see* Burford, R. P., 1001
Hasan, M. U.: *see* Tsonis, C. P., 707
Hatakeyama, H.: *see* Nakamura, K., 871
Hatakeyama, T.: *see* Nakamura, K., 871
Haward, Robert N.: *see* Caunt, Anthony D., 121
Haward, R. N.: *see* Aref-Azar, A., 1245
Haward, R. N.: *see* Yenigul, M., 1313
Hay, J. N.: *see* Aref-Azar, A., 1245
Hay, J. N.: *see* Yenigul, M., 1313
Hayter, J. B.: *see* Higgins, J. S., 793
Heckmann, W.: *see* Ramsteiner, F., 365
Hemery, Patrick: *see* Haggiage, Johnny, 578
Hermant, I., Damyanidu, M. and Meyer, G. C.: Transition behaviour of polyurethane–poly(methyl methacrylate) interprenetrating polymer networks, 1419
Higgins, J. S.: *see* Zhikuan, Chai, 263
Higgins, J. S., Ma, K. Nicholson, L. K., Hayter, J. B., Dodgson, K. and Semlyen, J. A.: Studies of cyclic and linear poly(dimethyl siloxanes): 12. Observation of diffusion behaviour by quasielastic neutron scattering, 793
Hin, Twoh Swee: *see* Cherry, B. W., 1067
Hirschler, M. M.: *see* Cullis, C. F., 834
Hjertberg, Thomas and Sörvik, Erling M.: Formation of anamalous structures in PVC and their influence on the thermal stability: 2. Branch structures and tertiary chlorine, 673
Hjertberg, Thomas and Sörvik, Erling M.: Formation of anamalous structures in PVC and their influence on the thermal stability: 3. Internal chloroallylic groups, 685

Hoffman, John D.: Regime III crystallization in melt-crystallized polymers: The variable cluster model of chain folding, 3
Hojo, Nobumase: *see* Suzuki, Tsuneo, 335
Hommel, H., Legrand, A. P., Balard, H. and Pepirer, E.: Influence of chain length on conformations of poly(ethylene glycol) chains grafted on silica, 959
Horská, J.: *see* Mrkvičková, L., 700
Houben, Julien L.: *see* Altomare, Angelina, 95
Hsieh, W. C.: *see* Deffieux, A., 513
Hsu, Tsong-Pin; Ma, Dong Sung and Cohen, Claude: Effects of inhomogeneities in polyacrylamide gels on thermodynamic and transport properties, 1273
Huang, Xiu-yun: *see* Jiang, Ming, 1259
Huckerby, T. N.: *see* Ebdon, J. R., 339
Huglin, Malcolm B.: *see* Abdel-Azim, Abdel-Azim A., 1308
Huglin, Malcolm B.: *see* Abdel-Azim, Abdel-Azim A., 1429
Huglin, Malcolm B. and Idris, Ibrahim Mohd: Miscibility of oligomeric poly(dimethyl siloxanes) with long-chain unbranched alkanes: 2. Unsymmetrical cloud point curves, 1434
Hunston, D. L.: *see* Kinloch, A. J., 1341
Hunston, D. L.: *see* Kinloch, A. J., 1355

Ibidapo, T. A. and Johnson, D. J.: X-ray diffraction studies of some halotopolymers, 271
Ide, Shoaki: *see* Kuroki, Takeshi, 428
Idris, Ibrahim Mohd: *see* Huglin, Malcolm B., 1434
Igarashi, M. and DeVries, K. L.: An e.s.r. investigation of environmental effects on polymeric materials: 1. Nylon, 767
Igarashi, M. and DeVries, K. L.: An e.s.r. investigation of environmental effects on polymeric materials: 2. Polyethylene, 1035
Iguchi, Masatoshi: Generation of orthorhombic polyoxymethylene in a cationic polymerization system of trioxane, 915
Ikeda, Koji: *see* Nagase, Yu, 457
Ikeda, Koji: *see* Nagase, Yu, 463
Ikemura, Tadashi: *see* Kuroki, Takeshi, 428
Ikladious, N. E. and Saaban, A. F.: Organotin polymers: 6. Copolymerization parameters for tri-n-butylin maleate, acrylate and methacrylate with some vinyl monomers, 1635
Ilavsky, M. and Dusek, K.: The structure and elasticity of polyurethane networks: 1. Model of poly(oxypropylene) triols and diisocyante, 981
Imamura, Akira and Ohsaku, Masaru: Theoretical study on the nature of the hydrogen bonds in an α-helical polymer and its model systems, 1639
Inui, Tomoyuki: *see* Murakami, Yoshimasam, 1596
Iruin, J. J.: *see* Fernández-Berridi, M. J., 417
Ishikawa, Hiroshi: *see* Nagura, Masanobu, 820
Isoda, Seiji; Tsuji, Masaki; Ohara, Masyoshi; Kawaguchi, Akiyoshi and Ken-ichi Katayama: Structural analysis of β-form poly(*p*-xylene) starting from a high-resolution image, 1155
Issi, J.-P.: *see* Poulaert, B., 841

Ito, E., Tajima, K., Kobayashi, Y.: Change of the amorphous state by heat treatment below the glass transition temperature, 877
Ito, Hiroshi: *see* Frechet, Jean M. J., 995

Jagur-Grodzinski, Joseph: *see* Bikson, Benjamin, 583
Jakeways, R.: *see* Batty, N. S., 258
Janeczek, H. and Turska, E.: Investigation of conformational transitions in polyamide-6 macromolecules in mixtures of *m*-cresol and methanol, 1590
Jansson, J.-F.: *see* Gedde, U. W., 1521
Jansson, J.-F.: *see* Geede, U. W., 1532
Jasse, B.: *see* Lefebvre, D., 1240
Jiang, M.: *see* Eastmond, G. C., 1162
Jiang, Ming; Huang, Xiu-yun and Yu, Tong-yin: Phase separation in blends of homopolymer and graft copolymer based on styrene and butadiene, 1259
Jin, Jung-Il: *see* Lenz, Robert W., 327
Johnson, D. J.: *see* Ibidapo, T. A., 271
Jullien, Henri and Valot, Henri: Behaviour of film-forming polymers in a microwave electric field, 810

Kahle, L.: *see* Kučera, M., 217
Kanakalatha, P.; Vijayan, Kalyani; Sridhar, M. K. and Singh, A. K.: Some studies on polyblends of poly(*p*-phenylene-terephthalamide) and nylon-6, 621
Kanig, G.: *see* Ramsteiner, F., 365
Karasz, F. E.: *see* Vukovic, R., 529
Kasparyan-Tardiveau, N., Valeur, B., Monnerie, L., Mita, I.: Comparison between end-bond and internal-bond relaxation of polystyrene in dilute solution: an investigation by time-dependent fluorescence polarization, 205
Katayama, Ken-ichi: *see* Isoda, Seiji, 1155
Katime, I., Quintana, J. R. and Veguillas, J.: Stereocomplex formation of PMMA in cosolvent mixtures, 903
Katime, I., Gutierrez Cabanas, P., Ochoa, J. R., Garay, M. and Ramiro Vera, C.: Conformational transition in syndiotactic PMMA: 6. Mono- and dichlorobenzene, 1015
Kato, Masayuki; Oki, Naoto; Ohno, Hiroyuki; Tsuchida, Eishun and Oyama, Noboru: Adsorption and desorption of complex metal ions in polyviologen or its polyion complexes with poly(sulphonate)s by the control of a given potential, 846
Kawaguchi, Akiyoshi: *see* Isoda, Seiji, 1155
Kawai, Hiromichi: *see* Shiro, Kuniyasu, 1113
Keapin, I. A.: *see* Malkin, A. Ya, 81
Keller, A.: *see* Miles, M. J., 1081
Kendall, C. R.: *see* Briggs, D., 47
Khan, A. H., McIntyre, J. E. and Milburn, A. H.: Transitions in linear thermotropic polyesteramides, 1610
Khanna, D. N., Bajaj, P. and Gupta, A. K.: Aromatic–aliphatic copolyesters structure and properties, 596
Khastgir, D., Ghoshal, P. K. and Das, C. K.: Dielectric behaviour and sulphur vulcanization of the crosslinked butyl(XL-50) rubber, 617

Kilian, H.-G.: *see* Vilgis, Th., 949
Kimmich, R.: *see* Bachus, R., 964
King, J. S.: *see* Goyal, P. S., 131
King, T. A.: *see* Candau, S. J., 1601
Kinloch, A. J., Shaw, S. J., Tod, D. A. and Hunston, D. L.: Deformation and fracture behaviour of a rubber-toughened epoxy: 1. Microstructure and fracture studies, 1341
Kinloch, A. J., Shaw, S. J. and Hunston, D. L.: Deformation and fracture behaviour of a rubber-toughened epoxy: 2. Failure criteria, 1355
Kléman, M., Liébert, L. and Strzélecki, L.: Preliminary observations of defects in a polymeric nematic phase, 295
Kobayashi, Masamichi: *see* Tashiro, Kohji, 199
Kobayashi, Y.: *see* Ito, E., 877
Kokufuta, Etsuo; Yokata, Akitoshi and Nakamura, Isei: Change in the molecular weight distribution of poly(ethylene oxide) caused by the complexation with poly(acrylic acid), 1031
Könczöl, L.: *see* Döll, W., 1213
Kondo, Shingo: *see* Naoki, Motosuke, 1139
Korodi, T. and Marcu, N.: Polyurethane microcellular elastomers: 1. Effect of chemical composition of tensile strength and elongation at break of poly(ethylene–butylene adipate) based systems, 1321
Kozlov, P. V. and Burdygina, G. I.: The structure and properties of solid gelatin and the principles of their modification, 651
Kraličck, J.: *see* Chuchma, F., 1491
Kramer, Edward J.: *see* Donald, Athene M., 1063
Kranbuehl, David E. and Verdier, Peter H.: Interpretation of quasi-elastic light scattering data for flexible chains: model dependence, 383
Krigbaum, W. R. and Watanabe, J.: Thermotropic homopolyesters: 5. Investigation of the smectic phase of polyesters based on *p,p'*-bibenzoic acid, 1299
Krikor, K. G.: *see* Griffiths, P. J. F., 831
Kučera, M., Božek, F., Majerová, K. and Kahle, L.: Combination of polymer ions. Formation of copolymer containing polytetrahydrofuran and poly(dimethyl siloxane) blocks, 217
Kudaibergenov, S. E.: *see* Bekturov, E. A., 607
Kumar, Anil; Gupta, Santosh K. and Kumar, Ashok: Effect of shear rate on the rate of polymerization of styrene, 443
Kumar, Anil; Gupta, Santosh K.; Somu, W. and Satanarayana Rao, M. V.: Simulation of cyclics and degradation product formation in polyethylene terephthalate reactors, 449
Kumar, Anil; Gupta, Santosh K.; Kumar, Birendra and Somu, N.: Molecular weight distributions in novolac-type phenolformaldehyde polymerization, 1180
Kumar, Ashok: *see* Kumar, Anil, 443
Kumar, Birendra: *see* Kumar, Anil, 1180
Kuroki, Takeshi; Sawaguchi, Takashi; Zuzuki, Kazumasa; Ide, Shaoki and Ikemura, Tadashi: Distribution of double bonds in thermally degraded polyisobutylene, 428
Kusy, R. P.: *see* Greenberg, A. R., 513

Law, K. Y. and Loufty, R. O.: Fluorescence probe for microenvironments: On the fluorescence properties of *p-N,N*-dialkylaminobenzylidenemalononitrile in polymer matrices, 439
Legrand, A. P.: *see* Hommel, H., 959
Lefebvre, D., Jasse, B., Monnerie, L.: Orientation and relaxation in uniaxially stretched atactic polystyrene, 1240
Lefebvre, J. M.: *see* Bultel, C., 476
Lemstra, Piet J.: *see* Toppet, Suzanne, 507
Lenz, Robert, W., Jin, Jung-II and Feichtinger, Kurt A.: Crystallization-induced reactions of copolymers: 6. Reorganization of polyesters in the liquid crystal state, 327
Lenz, Robert, W.: *see* Haggiage, Johnny, 578
Lenz, Robert W.: *see* Dvornic, Peter R., 761
Lerner, N. R.: Conducting complexes of vacuum-cyclized polyacrylonitrile and iodine, 800
Levita, G. and Struik, L. C. E.: Physical ageing in rigid chain polymers, 1071
Licchelli, John A.: *see* Caunt, Anthony D., 121
Liébert, L.: *see* Kléman, M., 295
Lilley, T.: *see* Betteridge, D., 1206
Lingnau, J. and Meyerhoff, G.: The spontaneous polymerization of methyl methacrylate: 6. Polymerization in solution: participation of transfer agents in the initiation reaction, 1473
Lotfipour, M.: *see* Amass, A. J., 1317
Loutfy, R. O.: *see* Law, K. Y., 439
Lovinger, Andrew J., Furukawa, T., Davis, G. T. and Broadhurst, M. G.: Crystallographic changes characterizing the Curie transition in three ferroelectric copolymers of vinylidene fluoride and trifluoroethylene: 1. As-crystallized samples, 1225
Lovinger, Andrew J., Furukawa, T., David, G. T. and Broadhurst, M. G.: Crystallographic changes characterizing the Curie transition in three ferroelectric copolymers of vinylidene fluoride and trifluoroethylene: 2. Oriented or poled samples, 1233
Lungdberg, R. D.: *see* Peiffer, D. G., 300
Lustiger, A. and Markham, R. L.: Importance of the tie molecules in preventing polyethylene fracture under long-term loading conditions, 1647
Luxton, Alan R.: *see* Milner, Richard, 543

Ma, Dong Sung: *see* Hsu, Tsong-Pin, 1273
Ma, K.: *see* Higgins, J. S., 793
MacKnight, W. J.: *see* Vukovic, R., 529
MacKnight, W. J.: *see* Chen, C. H. Y., 1333
MacKnight, W. J.: *see* Xu, M., 1327
Maddams, W. F.: *see* Maddams, W. F., 823
Maderek, E.: *see* Strobl, G. R., 1585
Majerová, K. *see* Kučera, M., 217
Malinconico, M.: *see* Eastmond, G. C., 1162
Malkin, A. Ya., Beghishev, V. P. and Keapin, I. A.: Macrokinetics of polymer crystallization, 81
Manaresi, P.: *see* Pilati, F., 1479
Manuel, A. J.: *see* Davidson, I. S., 30
Mar, A.: *see* Winnik, M. A., 473
Marcu, N.: *see* Korodi, T., 1321
Markham, R. L.: *see* Lustiger, A., 1647
Marom, Gad: *see* Cohn, Daniel, 223
Martuscelli, E., Pracella M. and Crispino, L.: Crystallization behaviour of fractions of isotactic polypropylene with different degrees of stereoregularity, 693
Martuscelli, Ezio; Silvestre, Clara and Bianchi, Liliana: Properties of thin films of isotactic polypropylene blended with polyisobutylene and ethylene–propylene–diene terpolymer rubbers, 1458
Mathew, N. M. and De, S. K.: Thermooxidative ageing and its effect on the network structure and fracture mode of natural rubber vulcanizates, 1042
Mathieson, K.: *see* Cowie, J. M. G., 1439
Maurey, John R.: *see* Chang, Shu-Sing, 1267
Mazeron, P.: *see* Ravey, J. C., 991
Mazur, J.: *see* Reneker, D. H., 1387
McCrackin, Frank L.: *see* Wang, Francis W., 1541
McEwen, I. J.: *see* Saeki, S., 60
McEwen, I. J.: *see* Cowie, J. M. G., 1439
McEwen, I. J.: *see* Cowie, J. M. G., 1445
McEwen, I. J.: *see* Cowie, J. M. G., 1449
McEwen, I. J.: *see* Cowie, J. M. G., 1453
McIntyre, J. E.: *see* Khan A. H., 1610
McIntyre, J. E.: *see* Browne, A. A. B., 1615
McKenna, G. B. and Zapas, L. J.: Experiments on the small-strain behaviour of crosslinked natural rubber: 1. Torsion, 1495
McKenna, G. B. and Zapas, L. J.: Experiments on the small-strain behaviour of crosslinked natural rubber: 2. Extension and compression, 1502
Meeten, G. H. and Navard, P.: Gel formation and liquid crystalline order in cellulose triacetate solutions, 815
Meič, Alatko: *see* Andreis, Malden, 611
Meyer, G. C.: *see* Djomo, H., 65
Meyer, G. C.: *see* Djomo, H., 1415
Meyer, G. C.: *see* Hermant, I., 1419
Meyerhoff, Günther: *see* Weisskopf, Klaus, 72
Meyerhoff, G.: *see* Lingnau, J., 1473
Milburn, A. H.: *see* Khan, A. H., 1610
Miles, M. J., Tanaka, K., Keller, A.: The behaviour of polyelectrolyte solutions in elongational flow; the determination of conformational relaxation times (with an Appendix of an anomalous adsorption effect), 1081
Millet, C.: *see* Pajot-Augy, E., 117
Milner, Richard; Young, Ronald N. and Luxton, Alan R.: A viscometric study of the interaction of polybutadienyllithium with *N,N,N',N'*-tetramethylethylenediamine in benzene, 543
Mirwoski, K.: *see* Żurakowska-Orszàgh, J., 1484
Misawa, Akira: *see* Nagase, Yu, 457
Mita, I.: *see* Kasparyan-Tardiveau, N., 205
Mitchell, G. R. and Windle, A. H.: The determination of molecular orientation in uniaxially compressed PMMA by X-ray scattering, 285
Mitchell, G. R. and Windle, A. H.: Measurement of molecular orientation in thermotropic liquid crystalline polymers, 1513
Mitra, G. B.: *see* Mukherjee, P. S., 525
Miyaki, Tsuyoshi: *see* Nakafuku, Chitoshi, 141
Mom, V.: Two-dimensional random coil chains on hexagonal lattices, 409
Monari, P.: *see* Pilati, F., 1479
Monnerie, L.: *see* Pajot-Augy, E., 117
Monnerie, L.: *see* Kasparyan-Tardiveau, N., 205
Monnerie, L.: *see* Fajolle, R., 379
Monnerie, L.: *see* Lefebvre, D., 1240
Morin, A.: *see* Djomo, H., 65
Morley-Buchanan, Tracey: *see* Barron, Peter F., 1252
Moscicki, J. K. and Williams, G.: Model calculations of the phase behaviour of rod-like particles in solution: Polydisperse systems having asymmetric distributions of rod-lengths, 85
Moskala, E. J.: *see* Coleman, M. M., 251
Moskala, E. J.: *see* Coleman, M. M., 1410
Moss, Barbara: *see* Dorset, Douglas L., 291
Mrkvičková, L., Stěpskal, J., Spěváček, J., Horská, J. and Quadrat, O.: Aggregation behaviour of stereoregular poly(methyl methacryiates) in dilute solution: light scattering and proton n.m.r. study, 700
Mrkvičková, L.: *see* Belnikevitch, N. G., 713
Mukherjee, P. S. and Mitra, G. B.: Anisotropy of X-ray structural parameters of the three phase model in cellulose I, 525
Mumari, A.: *see* Pilati, F., 1479
Mumby, S. J.: *see* Beevers, M. S., 1565
Murakami, Yoshimasa; Inui, Tomoyuki and Takagami, Yoshinobu: Dispersion states of porous inorganic materials in polymer blends observed by inverse gas charmatography, 1596
Murphy, W. R.: *see* Drain, K. F., 553

Nadkarni, V. M.: *see* Shenoy, A. V., 722
Nagase, Yu; Fukatsu, Tomohiko; Ikeda, Koji and Sekine, Yoshiro: Thermal and mechanical properties of tetramethyl-*p*-silphenylensiloxane/dimethylsiloxane block copolymer, 463
Nagase, Yu; Nakamura, Takashi; Misawa, Akira; Ikeda, Koji and Sekine, Yoshiro: Synthesis of tetramethyl-*p*-silphenylensiloxane/dimethylsiloxane triblock copolymer by employing living anionic polymerization, 457
Nagura, Masanobu and Iskikawa, Hiroshi: Molecular motion in poly(amino acid)s: 7. Molecular motion in the β-form crystal of silk fibre, 820
Nakafuku, Chitoshi and Miyaki, Tsuyoshi: Effect of pressure on the melting and crystallization, 141
Nakamura, Isei: *see* Kokufuta, Etsuo, 1031
Nakamura, K., Hatekeyama, T. and Hatakeyama, H.: Relationship between hydrogen bonding and bound water in polyhydroxystyrene derivatives, 871
Nakamura, Reiichi: *see* Uragami, Tadashi, 559
Nakamura, Takashi: *see* Nagase, Yu, 457
Nalwa, Hari Sing and Vasudevan, Padma: Thermally stimulated depolarization effect in thiourea-formaldehyde condensate, 1197
Naoki, Motosuke and Kondo, Shingo: Dielectric relaxation in networks of end-linked dimethylsiloxane oligomers, 1139
Narita, Y.: *see* Saeki, S., 1631
Navard, P.: *see* Meeten, G. H., 815
Nicholson, L. K.: *see* Higgins, J. S., 793

Ochoa, J. R.: *see* Katime, I., 1015
Ohara, Masyoshi: *see* Isoda, Seiji, 1155
Ohde, Yoshihito and Okamoto, Hiroshi: Growth rate *versus* temperature relations characteristic of environmental stress cracks in low-density polyethylenes and the underlying thermodynamic mechanism, 781
Ohno, Hiroyuki: *see* Kato, Masayuki, 846

Ohsaku, Masaru: *see* Imamura, Akira, 1639
Okamoto, Hiroshi: *see* Ohde, Yoshihito, 781
Oki, Naoto: *see* Kato, Masayuki, 846
O'Reilly, J. M., Stein, R. S., Hadziioannou, G., Wignall, G. D.: Effect of vitrification pressure on radius of gyration, specific heat and density of amorphous polymers, 1255
Osborn, B. N.: *see* Blundell, D. J., 953
Otsu, Takayuki: *see* Sato, Tsuneyuki, 1018
Otterburn, M. S.: *see* Drain, K. F., 553
Oyama, Noboru: *see* Kato, Masayuki, 846
Ozdemir, Eyup and Richards, Randal W.: Low-angle laser light scattering from polystyrene solutions: intensity measurements and photon correlation spectroscopy, 1097

Padibjo, S. R. and Ward, I. M.: A structural study of the tensile drawing behaviour of poly(ethylene terephthalate) 1103
Painter, P. C.: *see* Coleman, M. M., 1410
Pajot-Augy, E., Bokobza, L., Monnerie, L., Castellan, A., Bouas-Laurent, H. and Millet, C.: Excimer fluorescence as a probe of mobility in bulk poly(dimethyl siloxanes), 117
Pambrun, C.: *see* Fajolle, R., 379
Papon, Pierre: *see* Djabourov, Madeleine, 537
Park, G. S.: *see* Griffiths, P. J. F., 831
Parsons, Ian W.: *see* Caunt, Anthony D., 121
Parsons, I. W.: *see* Yenigul, M., 1313
Partridge, Ivana K.: *see* Bucknall, Clive B., 639
Partridge, R. H.: Electroluminescence from polyvinylcarbazole films: 1. Carbazole cations, 733
Partridge, R. H.: Electroluminescence from polyvinylcarbazole films: 2. Polyvinylcarbazole films containing antimony pentachloride, 737
Partridge, R. H.: Electroluminescence from polyvinylcarbazole films: 3. Electroluminescent devices, 746
Partridge, R. H.: Electroluminescence from polyvinylcarbazole films: 4. Electroluminescence using higher work function cathodes, 753
Paulrajan, S., Gopalan, A., Subbaratnam, N. R. and Venkatarao, K.: Polymerization of *N,N'*-methylenebisacrylamide initiated by CE^{IV}-thiourea redox system, 906
Peiffer, D. G. and Lundberg, R. D.: Behaviour of sulphonated EPDM in multicomponent/multiphase systems, 300
Peng, S. T. J.: *see* Valanis, K. C., 1551
Pennings, A. J.: *see* Zwiers, R. J. M., 167
Pennings, A. J.: *see* Vasanthakumari, R., 175
Pepirer, E.: *see* Hommel, H., 959
Peppas, Nikolaos A.: *see* Bussing, William R., 209
Peppas, Nikolaos A. and Bussing, William R.: Friedel–Crafts crosslinking methods for polystyrene modification: T_g, T_u and T'_u transitions of grafted polystyrene, 898
Pethrick, Richard A.: *see* Sharma, Varinder K., 387
Petrak, Karel L. and Pitts, Eric: Compositional analysis by g.l.c. of monomer feed in copolymerization – errors due to adsorption of monomer to copolymers, 729
Phillips, P. J.: *see* Dalal, E. N., 1623
Pilati, F., Manaresi, P., Fortunato, B., Mumari, A. and Monari, P.: Models for the formation of poly(butylene terephthalate): kinetics of the titanium tetrabutylate-catalysed reactions: 2, 1479
Pitts, Eric: *see* Petrak, Karel L., 729
Pouget, J. P.: *see* Robin, R., 1558
Poulaert, B. and Issi, J-P.: Low-temperature electrical resistivity of carbon-black-loaded polyethylene, 841
Poulin-Dandurand, S., Wertheimer, M. R. and Yelon, A.: Spin trapping of radicals produced by glow discharge on low-density polyethylene, 1581
Pracella, M.: *see* Martuscelli, E., 693
Prentice, P.: Influence of molecular weight on the fracture of poly(methyl methacrylate) PMMA, 344
Prestidge, E. B.: *see* Agarwal, P. K., 487
Pron, A., Budrowski, C. and Przyluski, J.: Highly conducting polymers based on polyacetylene hydrogen sulphate: Preparation and stability studies, 1294
Przyluski, J.: *see* Proń, A., 1294
Pummer, Walter J.: *see* Chang, Shu-Sing, 1267

Quadrat, O.: *see* Mrkvičková, L., 700
Quadrat, O.: *see* Belnikevitch, N. G., 713
Quadrat, O. and Belnikevitch, N. G.: Stereo complexes in solutions of syndio- and isotactic poly(methyl methacrylate) mixtures: 2. Mutual interaction constant of stereo polymers, 719
Quintana, J. R.: *see* Katime, I., 903

Rabek, J. F.: *see* Skowronski, T. A., 1189
Ramsteiner, F., Kanig, G., Heckmann, W. and Gruber, W.: Improved low temperature impact strength of polypropylene by modification with polyethylene 365
Ranby, B.: *see* Skowronski, T. A., 1189
Raveendran Nair, B. and Francis, D. Joseph: Kinetics and mechanism of urea–formaldehyde reaction, 626
Ravey, J. C. and Mazeron, P.: Particle size from optical anisotropy effects in scattered light, 991
Raynal, Serge: *see* Dumas, Sylviane, 1291
Redpath, A. E. C.: *see* Svirskaya, Polina, 319
Redpath, A. E. C.: *see* Winnik, M. A., 473
Redpath, A. E. C. and Winnik, Mitchell A.: Cyclization dynamics of polymers: 9. The effect of polymer concentration on the slowest internal relaxation mode of a labelled polystyrene chain, 1286
Reneker, D. H. and Mazur, J.: Dispiration, disclinations, dislocations, and chain twist in polyethylene crystals, 1397
Revol, F.-F. and Goring, D. A. I.: Directionality of the fibre *c*-axis of cellulose crystallites in microfibrils of Valonia ventricosa, 1547
Richards, D. H. and Stewart, M. J.: A novel approach to the synthesis of high 1,4-telechelic polybutadienes by an anionic route, 883
Richards, Randal W. and Thomason, James L.: Small angle neutron scattering study of the structure of a triblock copolymer of styrene and isoprene during extension, 275
Richards, R. W.: *see* Aladesulu, I., 279
Richards, Randal W. and Thomason, James L.: Small-angle neutron scattering measurement of block copolymer intrephase structure, 1089
Richards, Randal W.: *see* Ozdemir, Eyup, 1097
Richardson, M. J.: *see* Stevens, G. C., 851
Rigby, D.: *see* Edwards, C. J. C., 391
Rigby, D.: *see* Edwards, C. J. C., 395
Ritchie, A.: *see* Block, H., 859
Robin, R., Pouget, J. P., Comes, R., Gibson, H. W. and Epstein, A. J.: X-ray diffraction studies of iodine-doped polyacetylene, 1558
Roda, J.: *see* Chuchma, F., 1491
Rommelmann, H., Fernquist, R., Epstein, A. J., Aldissi, M., Woerner, T. and Bernier, P.: The evolution of polyacetylene morphology upon doping, 1575
Rosato, Nicola: *see* Altomare, Angelina, 95
Ross-Murphy, Simon B. and Todd, Susan: Ultimate tensile measurements of filled gelatin gels, 481
Rostami, S.: *see* Coleman, M. M., 1410
Rudin, A.: *see* Tchir, M. F., 909
Runt, J. P.: *see* Varnell, D. F., 37
Ruona, Sun: *see* Zhikuan, Chai, 263
Ruona, Sun: *see* Zhikuan, Chai, 1279

Sadler, David: Roughness of growth faces of polymer crystals: Evidence from morphology and implications for growth mechanisms and types of folding, 1401
Saeki, S., Cowie, J. M. G. and McEwen, I. J.: The effect of molecular weight and casting solvent on the miscibility of polystyrene–poly(α-methyl styrene) blends, 60
Saeki, S., Narita, Y., Tsubokawa, M. and Yamaguchi, T.: Phase separation temperature in the polystyrene–poly(α-methyl styrene)–methylcyclohexane system, 1631
Sahota, M.: *see* Batty, N. S., 258
Saini, D. R.: *see* Shenoy, A. V., 722
Sarazin, D. and Francois, J.: Apparent specific volumes of polymers in dilute solutions, 547
Sariban, A. A.: *see* Birshtein, R. M., 1145
Saruyama, Yasuo: Temperature dependence of distortion in poly(ethylene oxide) crystals, 135
Satanarayana Rao, M. V.: *see* Kumar, Anil, 449
Sato, Tsuneyuki; Yutani, Yuji and Otsu, Takayuki: Long-lived polymer radicals: 5. Synthesis of block copolymer by the reaction of living poly(*N*-phenylmethacrylamide) radical with vinyl monomers, 1018
Sawaguchi, Takashi: *see* Kuroki, Takeshi, 428
Schinker, M. G.: *see* Döll, W., 1213
Schneider, B.: *see* Dybal, J., 971
Schofield, E.: *see* Bamford, C. H., 433
Schué, F.: *see* Crassous, G., 1203
Schué, Francois: *see* Dumas, Sylviane, 1291
Sekine, Yoshiro: *see* Nagase, Yu, 457
Sekine, Yoshiro: *see* Nagase, Yu, 463
Semlyen, J. A.: *see* Edwards, C. J. C., 391
Semlyen, J. A.: *see* Edwards, C. J. C., 395
Semlyen, J. A.: *see* Higgins, J. S., 793
Semlyen, J. A.: *see* Beevers, M. S., 1565
Senogles, E.: *see* Ebdon, R. J., 339
Sergot, P.: *see* Fajolle, R., 379
Shaaban, A. F.: *see* Ikadious, N. E., 1635

Sharma, B. K.: The relationship between the Gruneisen and other thermodynamic parameters and intermolecular forces in polymers, 314
Sharma, Varinder K., Affrossman, Stanley and Pethrick, Richard A.: Copolymer electron resists: poly(styrene–methyl methacrylate) copolymers, 387
Shaw, S. J.: *see* Kinloch, A. J., 1341
Shaw, S. J.: *see* Kinloch, A. J., 1355
Shenoy, A. V., Saini, D. R. and Nadkarni, V. M.: Estimation of the melt theology of polymer waste from melt flow index, 722
Sherrington, D. C.: *see* Akelah, A., 1369
Shinohara, I.: *see* Watanabe, M., 491
Shirai, Hirofusa: *see* Suzuki, Tsuneo, 335
Shiro, Kuniyasu; Fujita, Ken-ichi; Suehiro, Shoji and Kawai, Hiromichi: Static and dynamic deformation mechanisms of a high-density polyethylene having row-nucleated crystalline texture of *a*-axis orientation as observed by orientation distribution function of crystallites, 1113
Shoko, N. R.: *see* Betteridge, D., 1206
Silvestre, Clara: *see* Martuscelli, Ezio, 1458
Singh, A. K.: *see* Kanakalatha, P., 621
Skortsov, A. M.: *see* Birshtein, T. M., 1145
Skowronski, T. A., Rabek, J. F. and Ranby, B.: Effect of thermal stabilizers on the photo-oxidative degradation of solid poly(vinyl chloride), 1189
Sledz, Joseph: *see* Dumas, Sylviane, 1291
Sloane, N. J. A.: *see* Cais, R. E., 179
Solaro, Roberto: *see* Altomare, Angelina, 95
Somu, N.: *see* Kumar, Anil, 449
Somu, W.: *see* Mumar, Anil, 449
Sörvik, Erling M.: *see* Hjertberg, Thomas, 673
Sörvik, Erling M.: *see* Hjertberg, Thomas, 685
Sperling, L. H.: *see* Yeo, J. K., 307
Spěváček, J.: *see* Mrkvičková, L., 700
Squire, D. R.: *see* Deffieux, A., 513
Squire, D. R.: *see* Deffieux, A., 1469
Sridhar, M. K.: *see* Kanakalatha, P., 621
Stamatoff, J. B.: *see* Gutierrez, G. A., 937
Stannett, V.: *see* Deffieux, A., 513
Stannett, V.: *see* Deffieux, A., 1469
Stein, R. S.: *see* O'Reilly, J. M., 1255
Stějskal, J.: *see* Mrkvičková, L., 700
Stephenson, D.: *see* Goldstein, M., 823
Stepto, R. F. T.: *see* Edwards, C. J. C., 391
Stepto, R. F. T.: *see* Edwards, C. J. C., 395
Stevens, G. C. and Richardson, M. J.: Factors influencing the glass transition of DGEBA–anhydride epoxy resins, 851
Stewart, M. J.: *see* Richards, D. H., 883
Stilbs, Peter: *see* Brown, Wyn, 188
Štokr, J.: *see* Dybal, J., 971
Strobl, G. R., Engelke, T., Maderek, E. and Urban, G.: On the kinetics of isothermal crystallization of branched polyethylene, 1585
Struik, L. C. E.: *see* Levita, G., 1071
Strzélecki, L.: *see* Kléman, M., 295
Subbaratnam, N. R.: *see* Paulrajan, S., 906
Suehiro, Shoji: *see* Shiro, Kuniyasu, 1113
Sugihara, Mizuho: *see* Uragami, Tadashi, 559
Summerfield, G. C.: *see* Goyal, P. S., 131
Sutherland, J. M.: *see* Cosgrove, T., 534
Suzuki, Kazumasa: *see* Kuroki, Takeshi, 428
Suzuki, Tsuneo; Shirai, Hirofusa; Tokutake, Sonoko and Hojo, Nobumase: Kinetics of ligand exchange reaction of Cu(II)–ammine complex with poly(vinyl alcohol) in aqueous solution, 335
Svirskaya, Polina; Danhelka, Jarda; Redpath, A. E. C. and Winnik, Mitchell A.: Cyclization dynamics of polymers: 7. Applications of the pyrene excimer technique to the internal dynamics of poly(dimethyl siloxane) chains, 319
Svirskaya, P.: *see* Winnik, M. A., 473

Tadakoro, Hiroyuki: *see* Tashiro, Kohji, 199
Tajima, K.: *see* Ito, E., 877
Tanaka, K.: *see* Miles, M. J., 1081
Takano, Kohji: *see* Tashiro, Kohji, 199
Takegami, Yoshinobu: *see* Murakami, Yoshimasa, 1596
Takizawa, Y.: *see* Watanabe, M. 491
Tashiro, Kohji; Takano, Kohji; Kobayashi, Masamichi; Chatani, Yozo and Tadokoro, Hiroyuki: Phase transition at a temperature immediately below the melting point of poly(vinylidene fluoride) form I: A proposition for the ferroelectric Curie point, 199
Tassin, J. F.: *see* Fajolle, R., 379
Taylor, K. D.: *see* Dalal, E. N., 1623
Tchir, M. F., Rudin, A. and Dobbin, C. J. B.: Poly(*ortho*-vinylbenzophenone), 909
Tekeley, P. and Turska, E.: Moelcular motion of polycarbonate in the vicinity of −60°C as revealed by broad-line n.m.r., magic angle spinning n.m.r. and conformational analysis, 667
Thomas, A. G.: *see* Davies, C. K. L., 107
Thomas, D. A.: *see* Yeo, J. K., 307
Thomas, E. L.: *see* Chen, C. H. Y., 1333
Thomas, E. L.: *see* Xu, M., 1327
Thomason, James L.: *see* Richards, Randal W., 275
Thomason, James L.: *see* Richards, Randal W., 1089
Tod, D. A.: *see* Kinloch, A. J., 1341
Todd, Susan: *see* Ross-Murphy, Simon B., 481
Tokutake, Sonoko: *see* Suzuki, Tsuneo, 335
Tong, S. N., Chen, D. S., Chen, C. C. and Chung, L. Z.: Unsaturated polyesters based on bis(2-hydroxyethyl) terephthalate, 469
Toppet, Suzanne; Lemstra, Piet J. and Van der Velden, Geert: Nuclear magnetic resonance studies on sequence distributions in vinyl alcohol–vinyl acetate copolymers, 507
Trecarten, Mark: *see* Farrall, M. Jean, 114
Trška, P.: *see* Chuchma, F., 1491
Tsonis, C. P. and Hasan, M. U.: Polycondensation of benzyl chloride catalysed by $ArCr(CO)_3$, 707
Tsubokawa, M.: *see* Saeki, S., 1631
Tsuchida, Eishun: *see* Kato, Masayuki, 846
Tsuji, Masaki: *see* Isoda, Seiji, 1155
Turska, E.: *see* Tekeley, P., 667
Turska, E.: *see* Janeczek, H., 1590

Uragami, Tadashi; Nakamura, Reiichi and Sugihara, Mizuho: Studies on syntheses and permeabilities of special polymer membranes: 50. Transport of metal ions against their concentration gradient through water-insoluble poly(styrene sulphonic acid) membrane, 559
Urban, G.: *see* Strobl, G. R., 1585

Valanis, K. C. and Peng, S. T. J.: Deformation kinetics of ageing materials, 1551
Valeur, B.: *see* Kasparyan-Tardiveau, N., 205
Valot, Henri: *see* Jullien, Henri, 810
Van der Velden, Geert: *see* Toppet, Suzanne, 507
Varnell, D. F., Runt, J. P. and Coleman, M. M.: FT-i.r. and thermal analysis studies of blends of poly(ε-caprolactone) with homo- and copolymers of poly(vinylidene chloride), 37
Vasanthakumari, R. and Pennings, A. J.: Crystallization kinetics of poly(L-lactic acid), 175
Vasudevan, Padma: *see* Nalwa, Hari Singh, 1197
Veguillas, J.: *see* Katime, I., 903
Veksli, Zorica: *see* Andreis, Mladen, 611
Venkatarao, K.: *see* Paulrajan, S., 906
Vera, C. Ramiro: *see* Katime, I., 1015
Verdier, Peter H.: *see* Kranbuehl, David E., 383
Vert, Michel: *see* Chabot, Francois, 53
Vijayan, Kalyani: *see* Kanakalatha, P., 621
Vilgis, Th. and Kilan, H.-G.: Reduced van der Waals equation of state and critical properties of rubbers, 949
Viney, C.: *see* Donald, A. M., 155
Vofsi, David: *see* Bikson, Benjamin, 583
Vukovic, R., Karasz, F. E. and MacKnight, W. J.: Compatability of poly(*p*-fluorostyrene-co-*o*-fluorostyrene) with poly(2,6-dimethyl-1,4-phenylene oxide) and polystyrenes, 529

Walker, S. M.: *see* Block, H., 859
Walsh, D. J.: *see* Zhikuan, Chai, 263
Walsh, D. J., Crosby, P. and Dalton, R. F.: Metal specific hydroxyoxime ion-exchange resins, 423
Walsh, D. J.: *see* Coleman, M. M., 1410
Wang, A.: *see* Deffieux, A., 1469
Wang, Francis W. and McCrackin, Frank L.: Analysis of ultracentrifugation interference patterns with image digitizer: Application to molecular weight determination of SRM 1478 polystyrene, 1541
Ward, I. M.: *see* Clements, J., 27
Ward, I. M.: *see* Davidson, I. S., 30
Ward, I. M.: *see* Padibjo, S. R., 1103
Waring, Lionel: *see* Fawcett, Allan H., 1571
Watanabe, J.: *see* Krigbaum, W. R., 1299
Watanabe, M., Takizawa, Y. and Shinohara, I.: Effect of poly(propylene oxide) segment size on structure–property relationships in elastomeric ionene, 491
Weatherhead, R. H.: *see* White, D., 805
Weisskopf, Klaus and Meyerhoff, Gunther: Molecular weight determinations of polyamides by *N*-trifluoroacetylation, 72
Wertheimer, M. R.: *see* Poulin-Dandurand, S., 1581
White, D., Bott, D. C. and Weatherhead, R. H.: Direct evidence for chain orientation in poly(acetylene), 805
Widmaier, J. M.: *see* Djomo, H., 1415
Wignall, G. D.: *see* Bates, F. S., 519
Wignall, G. D.: *see* O'Reilly, J. M., 1255
Williams, G.: *see* Moscicki, J. K., 85
Williams, J. G.: *see* Chan, M. K. V., 234
Willson, C. Grant: *see* Fechet, Jean M. J., 995
Windle, A. H.: *see* Donald, A. M., 155
Windle, A. H.: *see* Mitchell, G. R., 285
Windle, A. H.: *see* Mitchell, G. R., 1513
Winnik, Mitchell A.: *see* Svirskaya, Polina, 319

Winnik, M. A., Redpath, A. E. C., Svirskaya, P. and Mar, A.: The influence of polymer concentration on the internal motion – intramolecular pyrene excimer formation – of a low molecular weight probe in solution, 473
Winnik, Mitchell A.: *see* Redpath, A. E. C., 1286
Wlochowicz, Andrzej: *see* Eder, Marek, 1593
Woerner, T.: *see* Rommelmann, H., 1575
Wolfe, S. V.: *see* Davies, C. K. L., 107
Wood, D. G. M.: *see* Betteridge, D., 1206
Wooton, A. B.: *see* Briggs, D., 47
Worsfold, Denis J.: *see* Dumas, Sylviane, 1291
Wu, W.: Small-angle neutron scattering of partially segregated polymer blends, 43

Xu, M., MacKnight, W. J., Chen, C. H. Y. and Thomas, E. L.: Structure and morphology of segmented polyurethanes: 1. Influence of incompatability on hard-segment sequence length, 1327
Xu, M.: *see* Chen, C. H. Y., 1333

Yamaguchi, T.: *see* Saeki, S., 1631
Yamamoto, Takashi: An application of Monte Carlo method to simulate disorders in polymer crystals, 943
Yelon, A.: *see* Poulin-Dandurand, S., 1581
Yenigul, M., Parsons, I. W., Hay, J. N. and Haward, R. N.: The properties of equimolar copolycarbonates of bisphenol A with bisphenol S and 1,4-bis(hydroxymethyl)cyclohexane, 1313
Yeo, J. K., Sperling, L. H. and Thomas, D. A.: Theoretical prediction of domain sizes in IPN's and related materials, 307
Yokata, Akitoshi: *see* Kokufuta, Etsuo, 1031
Yokoyama, Fumiyoshi and Monobe, Kazuo: Molecular association complex of urea with polyethylene: 3. Structural studies of the complex, 149
Yoon, H.: *see* Gutierrez, G. A., 937
Yoshida, T., Faujiwara, Y. and Asano, T.: Plastic deformation of oriented lamaellae: 3. Drawing behaviour of β-phase isotactic polypropylene, 925
Young, J. A.: *see* Deffieux, A., 513
Young, J. A.: *see* Deffieux, A., 1469
Young, R. J.: *see* Galiotis, C., 1023
Young, Ronald N.: *see* Milner, Richard, 543
Yu, Tong-yin: *see* Jiang, Ming, 1259
Yutani, Yuji: *see* Sato, Tsuneyuki, 1018

Zachmann, Hans Gerhard: *see* Günther, Berthold, 1008
Zapas, L. J.: *see* Crissman, J. M., 351
Zapas, L. J.: *see* McKenna, G. B., 1495
Zapas, L. J.: *see* McKenna, G. B., 1502
Zhaimina, G. M.: *see* Bekturov, E. A., 607
Zhikuan, Chai; Ruona, Sun; Walsh, D. J. and Higgins, J. S.: A thermodynamic interpretation of the compatibility of chlorinated polyethylene with poly(methyl methacrylate), 263
Zhikuan, Chai and Ruona, Sun: Compatibility among chlorinated polyethylenes, 1279
Żurakowska-Orszàgh, J., Bartnik, J., Chajewski, A. and Mirowski, K.: Solid-state polymerization of *N*-substituted acrylamides: 3., 1484
Zwiers, R. J. M., Gogolweski, S. and Pennings, A. J.: General crystallization behaviour of poly(L-lactic acid) PLLA: 2. Eutectic crystallization of PLLA, 167

Biomaterials

Editors:

Dr. G.W. Hastings
Stoke-on-Trent, UK

Professor R.S. Langer
Cambridge, Massachusetts, USA

Professor N.A. Peppas
West Lafayette, Indiana, USA

Biomaterials covers

- **Fundamental research**
- **Materials engineering**
- **Blood/tissue interaction**
- **Implant design and evaluation**
- **Controlled release of drugs**
- **Metals, polymers, ceramics**

For further information or a sample copy of **BIOMATERIALS** please write to
Mrs Jenny Earwaker Butterworth Scientific Limited
— Journals Division PO Box 63 Westbury House Bury Street
Guildford Surrey GU2 5BH UK